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Rubrics : SSC Ist ANNUAL EXAMINATION 2022

Subject: PHYSICS-I (L)

Q No/ Part No	Rubric Name	Rubric Type 1 (Marks)	Rubric Type 2 (Marks)	Rubric Type 3 (Marks)	Rubric Type 4 (Marks)	Rubric Type 5 (Marks)
2 (i)	definition/Value	Correct (1)	partially correct (0.5))	Wrong (0)		
	Method/formula	Correct (2)	partially correct (0.5	Wrong (0)		
2 (ii)	Standerd form	correct i.e. Standard form with unit (1.5)	partially correct i.e. standard form without unit (1)	Wrong (0)		
	significant figure	correct i.e. 3.00×10^{8} m/s (1.5)	correct i.e. 2.99×10^{8} m/s(1)	Wrong (0)		
2 (iii)	Differences	any two correct differences (02)	one correct difference (01)	Wrong (0)		
	examples	any two correct Examples (one from each)(01)	one correct Example (0.5)	Wrong (0)		
2 (iv)	data	extraction of correct data with units (01)	incomplete data (0.5)	Wrong (0)		
	calculation of height	correct (01)	partially correct i.e. without unit (0.5)	Wrong (0)		
	calculation of velocity	correct (01)	partially correct i.e. without unit (0.5)	Wrong (0)		

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2 (v)	method	any three methods (3)	any two correct methods (2)	any one mehtod (1)	wrong (0)		
2 (vi)	derivation/statement and relation	correct derivation / correct statement and relation (3)	partially correct derivation / correct statement without relation (2)	only relation (1)	Wrong (0)		
2 (vii)	definition	correct (2)	partially correct (1)	Wrong (0)			
	examples	correct Examples (01)	only diagram (0.5)	wrong (0)			
2 (viii)	data	extraction of correct data with units (1)	incomplete data (0.5)	Wrong (0)			
	calculation	correct calculation with units (2)	partially correct (01)	wrong (0)			

2(ix)	data & formula	extraction of correct data & formula (1)	only formula (0.5)	wrong (0)			
	calculation	correct calculation (02)	partially correct (01)	wrong (0)			
2 (x)	explanation	correct i.e. PE TO KE TO SOUND AND HEAT etc (3)	partially correct i.e. any two of the mentioned aspects (2)	partially correct i.e. any one of the mentioned aspects (1)	wrong (0)		
2.(xi)	Explanation	correct Expation i.e. explaining with principle of floatation or upthrust is dependent on volume (03)	partiallay correct i.e. explaining either sinking of needle or floating of ship (02)	any key word i.e. archemed's principal or only mentioning principle of floatation or mentioning the two forces on body (upthrust & weight) (01)	wrong (0)		
2 (xii)	data	extraction of correct data with units (1)	incomplete data (0.5)	wrong (0)			
	CALCULATION	correct calculation with units (2)	partially correct (01)	only correct answer (0.5)	wrong (0)		

2. (xiii	Explanation	correct Expation (03)	partiallay correct (02)	any key word i.e. thermal expansion etc (01)	wrong (0)		
2 (xiv)	definition	correct definition (02)	partially correct (01)	wrong (0)			
	expression	correct expression with unit (01)	only expression (0.5)	wrong (0)			
2.(xv)	explanation	correct explanation (03)	partially correct (02)	any key word i.e. convection process or variation in density of air etc (01)	wrong (0)		
	definition of isolated system	correct (01)	partiallay correct (0.5)	wrong (0)			
	statement of law of cinsevaiton of momentum	correct (01)	partiallay correct (0.5)	wrong (0)			

3.(a)	explanation	correct i.e. explaining with two colliding bodies alongwith diagram or anyother suitable example like firing a bullet etc.	partially correct (01)	wrong (0)			
	mathematical Expression	correct i.e. explaining with two colliding bodies or mathematical expression of anyother suitable example like firing a bullet etc. 02	partially correct(01)	only formula (0.5)	wrong (0)		
3.(b)	Graph	correct (01)	partially correct (0.5)	wrong (0)			
	Derivation	correct (03)	partially correct (2)	only equation (1)	wrong (0)		
4. (a)	definition of artifical satellite	correct (01)	partially correct (0.5)	wrong (0)			
	derivation	correct i.e. driving the general expression of orbital velocity at any height (03)	partially correct (02)	correct formula (01)	Wrong (0)		
	diagram	correct i.e. initial wording and diagram (2)	partially correct (1)	wrong (0)			

4. (b)	energy conservation with example	any two correct with explanation (4)	any one correct with explanation (2)	mentioning examples without explanation (1)	wrong (0)		
5 (a)	definition of evaporation	correct (1)	partially correct (0.5)	Wrong (0)			
	explanation of factors	any five correct (05)	any four correct (04)	any three correct (03)	any two correct (02)	any one correct (01)	wrong (0)
5. (b)	data	extraction of correct data with units (1)	incomplete data (0.5)	Wrong (0)			
	calculation with answer	correct (3)	partially correct (2)	placing data correctly in formula (1)	Wrong (0)		